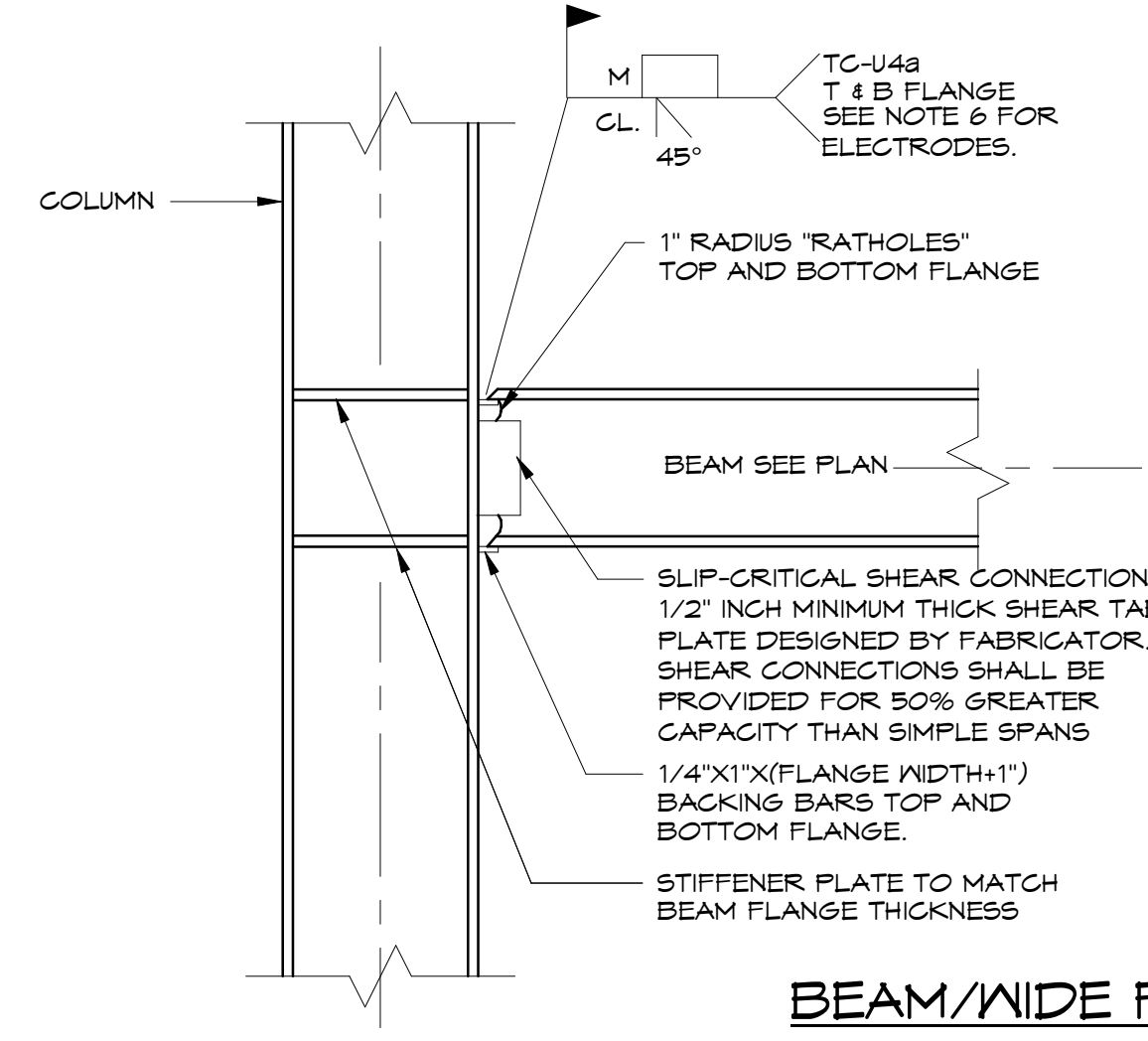


**BEAM TO BEAM
TYPICAL MOMENT CONNECTION**

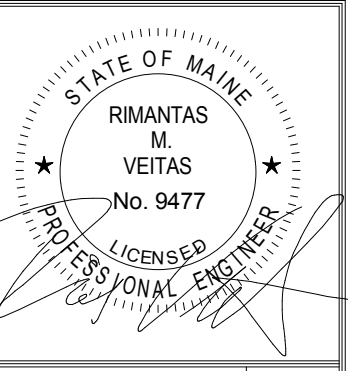


**FLANGE
BEAM/WIDE FLANGE COLUMN MOMENT CONNECTION**

NOTES:

1. NO SHOP PRIMER WITHIN 3 INCHES OF FIELD WELDS. REMOVE SHOP PRIMER (INCLUDING OVER-SPRAY) IN THE FIELD PRIOR TO WELDING IF NECESSARY.
2. NO SHOP PRIMER AT "FAYING" SURFACES OF SLIP-CRITICAL SHEAR CONNECTIONS. PREPARE "FAYING" SURFACES IN THE FIELD PRIOR TO ERECTION TO SATISFY CLASS "A" AS DEFINED IN AISCS "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS."
3. WHERE COLUMNS HAVE WEB AND FLANGE MOMENT CONNECTIONS, THE CONTINUITY PLATES, GUSSET PLATES AND WELDS SHALL BE DETAILED AND DESIGNED BY FABRICATOR FOR THE WORST CONDITIONS.
4. $P_f = (A_f)(F_u)$, BASED UPON BEAM PROPERTIES.
5. THE FABRICATOR SHALL TAKE EXPECTED WELD SHRINKAGE INTO ACCOUNT WHEN DETAILING THE BEAM LENGTHS IN CONTINUOUS RUNS.
6. FILLER METAL USED IN THE FULL PENETRATION WELDS SHALL HAVE A MINIMUM CHARPY V-NOTCH VALUE OF 20 FT-LBS AT 40 DEGREES F FOR BUILDINGS WHICH ARE FULLY ENCLOSED AND HEATED DURING THE WELDING PROCESS AND IN SERVICE, AND 20 FT-LBS AT ZERO (0) DEGREES F FOR ALL OTHER WELDING AND SERVICE CONDITIONS.
7. THE MOMENT CONNECTION WELDS ARE TO BE CONSIDERED "PRE-QUALIFIED WELDED JOINTS". THEREFORE THE STEEL ERECTOR SHALL SUBMIT PRE-QUALIFIED JOINT WELDING PROCEDURES AND JOINT DETAILS AS PER AWS D1.1 CERTIFICATE OF COMPLIANCE FOR ALL THE ELECTRODES TO BE USED, AND WELDING CERTIFICATES FOR ALL THE WELDERS.

INDICATED THUS ON PLANS



Prepared For:
**EssexNorth
Portland LLC**
P.O. Box 394
Topsfield, MA 01983

Consultant:
**VEITAS VEITAS
engineers**
680 Centre Street, Suite 101
Braintree, Massachusetts 02184
TEL: 781.843.2863 FAX: 781.849.2055

Architect:
**ARCHETYPE
a r c h i t e c t s**
48 Union Wharf Portland, Maine 04101
(207) 772-6022 Fax (207) 772-4056

Project:
**THAMES STREET
CONDOMINIUM**
20 Thames Street, Portland Maine

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Date: **JULY 2017**
Scale: **As indicated**
TYPICAL DETAILS

S2.06